

134058

# Purchase Order Receipt Listing

Monday, June 27, 2016 3:38:58 PM

Page 1 of 2

All amounts are calculated in domestic currency.

All Vendors PO ID PO32783 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO32783	1		M303R0.500	f	6/27/2016	6/27/2016	48.0000	\$1.38	0.0000	0	\$66.24
CAD	No		303 Round Bar 0.500" f		48.0000	PLOU01		\$66.24	0.0000	0	
			m135094								
	2		M303R0.750	f	6/27/2016	6/27/2016	84.0000	\$2.11	0.0000	0	\$177.16
	No		303 Round Bar 0.750 f		84.0000	PLOU01		\$177.16	0.0000	0	
			m135094								
	3		M6061T6B0.750X01. f		6/27/2016	6/27/2016	12.0000	\$2.29	0.0000	0	\$27.46
	No		500		12.0000	PLOU01		\$27.46	0.0000	0	
			6061-T6 Bar .750 X 1.50								
			m135094								
	4		M6061T6B00750X00 f		6/27/2016	6/27/2016	20.0000	\$2.86	0.0000	0	\$57.21
	No		.125		12.0000	PLOU01		\$57.21	0.0000	0	
			6061-T6 Bar .750 x f								
			.125								
			m135094								
	5		M6061T6B1.500X02. f		6/27/2016	6/27/2016	12.0000	\$7.58	0.0000	0	\$90.96
	No		500		12.0000	PLOU01		\$90.96	0.0000	0	
			6061-T6 Bar 1.50 x f								
			2.50								
			m135094								
	6		M6061T6B2.500X03. f		6/27/2016	6/27/2016	12.0000	\$17.59	0.0000	0	\$211.10
	No		500		12.0000	PLOU01		\$211.10	0.0000	0	
			6061-T6 Bar 2.50 x f								
			3.50								
			m135094								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO32783	7		M6061T6B3.500X8.0 f 00		6/27/2016	6/27/2016	10.0000	\$27.46	0.0000	0	\$274.61
CAD	No		6061-T6 Aluminum Bar 3.500" X 8.000" (cut to 4.75" +.030"/-.000 From bar only not plate) m135094	f <del>10.0000</del> ← 3.50X3.50 cut 8.00"	12.0000	PLOU01		\$274.61	0.0000	0	
	8		M6061T6R0.750 f 6061-T6 Round Bar .750" m135094	f	6/27/2016	6/27/2016	12.0000	\$2.89 \$34.65	0.0000 0.0000	0 0	\$34.65
	9		M6061T6R3.500 f 6061 RD bar 3.50 m135094	f	6/27/2016	6/27/2016	12.0000	\$19.45 \$233.42	0.0000 0.0000	0 0	\$233.42
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
222.0000											
0.0000											
0.0000											
\$1,172.81											
0.0000											

46

B I L L O F L A D I N G

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 997557  
Ship Date 27Jun16 at 11:22 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-941579- 1 Your PO # 32783  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.50" DIA X 144.0000"

Heat Number Tag No  
410252 544659

Quantity PCS Wt LBS  
48 FT 4 33

MTR

2) Our Order PEC-941579- 2 Your PO # 32783  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.750" DIA X 144.0000"

Heat Number Tag No  
427459 544660

Quantity PCS Wt LBS  
84 FT 7 129

MTR

3) Our Order PEC-941579- 3 Your PO # 32783  
ALUMINUM FLAT BAR 6061-T6511  
.750" X 1.50" X 144.0000"

Heat Number Tag No  
Z00256099 544661

Quantity PCS Wt LBS  
12 FT 1 16

MTR

4) Our Order PEC-941579- 4 Your PO # 32783  
ALUMINUM FLAT BAR 6061-T6511  
125" x .750" X 240.0000"

Heat Number Tag No  
423608-1 544816

Quantity PCS Wt LBS  
20 FT 1 2

MTR

5) Our Order PEC-941579- 5 Your PO # 32783  
ALUMINUM FLAT BAR 6061-T6511  
1.50" x 2.50" X 144.0000"

Heat Number Tag No  
191718-2 544662

Quantity PCS Wt LBS  
12 FT 1 53

MTR

Page: 1 ....Continued

Sp/6 to 27

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

Ship Date 27Jun16 at 11:22 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frnt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-941579- 6 Your PO # 32783

ALUMINUM FLAT BAR 6061-T6511  
2.50" X 3.50" X 144.0000"

Heat Number  
Z00109090

Tag No  
544663

Quantity  
12 FT

PCS  
1

MTR

Wt LBS  
124

7) Our Order PEC-941579- 7 Your PO # 32783

Part # \* SQ BAR

ALUMINUM SQUARE BAR 6061-T6511  
3.50" X 8.0000"

Heat Number  
107346 7 1-A-1

Tag No  
544689

Quantity  
10 FT

PCS  
15

MTR

Wt LBS  
144

8) Our Order PEC-941579- 8 Your PO # 32783

ALUMINUM ROUND BAR 6061-T6511  
.750" DIA X 144.0000"

Heat Number  
22402288

Tag No  
544664

Quantity  
12 FT

PCS  
1

MTR

Wt LBS  
7

9) Our Order PEC-941579- 9 Your PO # 32783

ALUMINUM ROUND BAR 6061-T6511  
3.50" DIA X 144.0000"

Heat Number  
Z00158254

Tag No  
544665

Quantity  
12 FT

PCS  
1

MTR

Wt LBS  
137

TOTAL:

Tags  
9

PCS  
32

LBS  
645

\*\*\* Chemical Analysis \*\*\*

Heat Number  
107346 7 1-A-1  
191718-2  
22402288  
410258  
423608-1

Page: 2 ....Continued

*Q/16-6-27*

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
2/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

## B I L L O F L A D I N G

No: PEC 997557

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 27Jun16 at 11:22 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

427459  
Z00109090  
Z00158254  
Z00256099

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 SKID, 2 BDLS GW. 698 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

\*\*\*\*\*

\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*

\*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,

\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

*Sold to 627*

Page: 3 .... Last

ALUMINUM • CARBON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
 .50" DIA X 144.0000"  
 PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-001

23Jun16

Signed by: 

Pg 1/1

Larrondo LOH (VIZCAYA) España  
 P.O. Box 1 32348080 Bilbao  
 Tel. 34-(4) 4 71 13 00  
 Fax 34-(4) 4 53 16 36

Management Systems  
 Certified by  
 LRQA  
 ISO 9001 / SGT 6000350  
 ISO 14001 / SGT 1870578

THYSSENKRUPP MATERIAS NA  
 2821 LANGSTAFF ROAD.  
 CONCORRA - ONTARIO L4K 5C6 - CANADA

ACEROS INOXIDABLES

**OLARRA**

Trade Mark - Zeichen des Lieferanten  
 Anagrama del suministrador



Works Inspector Stamp - Werkssachverständiger  
 Sello del Inspector



Certificate type - APZ Nach Certificado tipo		EN 10204/3.1		Certificate n° - Prüf-Nr Certificado n°		268849		Date - Datum - Fecha 14 - 04 - 2016	
Our order N° Werks - Nr N° de Referencia		601639		Heat Schmelz Colada		410258		Your order N° Bestell - Nr Pedido N°	
Steel Grade Werkstoff Calidad		AISI-303		According to Entsprechend Corresponde		ASTM A 582 / A 582M-12			
Shape and Size - Gegenstand Perfity dimensión ROUND 1/2"		Tolerance - Toleranz Tolerancia ASTM A 484 / TB.7		Bundles Bunde Bultos		2		Weight Gewicht Peso	
Requirements - Anforderungen - Exigencias		QQ-S 7648-70. AMD2 COND.A. SAE AMS 5640U-07. TYPE I. EN 10.088-3.2014. 1.4305. MECAMAX - PLUS		DAS 14 9-89		16/06/28			
Melting process / Erhitzungsart / Proceso de Fusión		E.A.F. / A.O.D.		Heat treatment / Wärmebehandlung / Tratamiento térmico		1050C 4H/Sid WATER/WASSER/AGUA			
Solution annealed/Abgeschreckt/Hipertempe-Cold drawn/Gezogen/Estirado/Polished/Poliert/Pulido-									
Test results - Ergebnis der Prüfungen - Resultados de los ensayos									
Dimension of Specimen Abmessungen des Probestabes Medida de las probetas		Rp0.2% KSI		Rp 1% KSI		Rm KSI		A %L 5D	
RD. 12.50 mm.		Min.		Max.		262			
Temperature °C 20		Spec. N° 1		Proc N° 90		103		112	
								25	
								54	
								248	
C		Si		Mn		P		S	
Min.						0,150		17,00	
Max.		0,150		1,00		2,00		0,200	
		0,046		0,21		1,78		0,036	
								0,309	
								17,70	
								0,29	
								8,55	
								0,42	
								0,0395	
								0,17	
Visual and dimensional inspection Besichtigung und Ausmessung O.K. Control visual y dimensional		Radioactivity inspection Radioaktivitätskontrolle O.K. Control de Radioactividad		Antiminding test Spektroskop Verwechslungspr O.K. Antimezcla		Grain Size Korngröße Tamaño de grano			
Remarks - Bemerkungen - Observaciones		Free From Mercury contamination/Quecksilberfreiheit. No weld repair.		EDV / EDP Acc. EN 10.204 Marian Tejedo Quality Mng. Works Inspector Der Werkssachverständige Inspector de fábrica					



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.750" X 1.50" X 144.0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-003

23Jun16

Signed by: 

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-273675-9		CUSTOMER PART NUMBER: 376/STK		PRODUCT DESCRIPTION: .750 X 1.500 SC RECT BAR	
KAISER ORDER NUMBER: 6004148	LINE ITEM: 009	SHIP DATE: 03/15/2016	KAISER LOT NUMBER: Z00256099	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1524.000 LB	QUANTITY: 96.000 PCS	B/L NUMBER: 615069	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

DAS  
14  
9-89

16/06/28

REFERENCE	DASH#	SAMPLE#	UTS(KSI)	YTS(KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00256099	0001	0001	44.4	39.8	20.3	RE 91	N/A	N/A
Z00256099	0001	0002	43.7	38.9	15.9	RE 90	N/A	N/A
Z00256099	0001	0004	44.2	39.7	18.6	RE 90	N/A	N/A
Z00256099	0001	0005	43.8	39.1	18.6	RE 90	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
IG5987	.59	.27	.21	.10	.85	.07	.04	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-B221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00221777

Kaiser Order Number: 6004148

Page 1 of 1

Line Item: 009

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.125" x .750" X 240.0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-004

23Jun16

Signed by: 

Pg 1/1

### CAN ART

ALUMINUM EXTRUSION INC.

## Material Test Report

Ship To: ThyssenKrupp Materials NA  
2821 Langstaff Road  
Concord, ON L4K 5C6

Manifest: **307820**

Ticket:

5473041 : 5473042

Our Order: **423608-1**

Cust P.O.: 274331

Die: ESD5485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: (125 x .750)

Print Date: 4/25/16

DAS  
14  
9-09

16/06/28

### Chemical Composition Range

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
421927	3B2196	C11	4/20/16	39.05	35.86	8.7

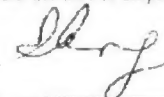
Applicable Specifications: **ASTMB221-14** **AMS-QQ-A200/8**

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:



Evan Eng, Quality Assurance Manager



# THYSSENKRUPP MATERIALS NA

**PARF-AEROSPACE**  
ALUMINUM FLAT BAR 6061-T6S11  
1.50" x 2.50" x 144,0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: 

BL PEC-997557-005

Certificate of Mill Test Results

23Jun16  
Pg 1/1



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

## MILL TEST

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	DIE NUMBER S 4660	DATE OF SHIPMENT Apr/07/2016	EXTRUDEX ORDER NO. 191718 - 2	MANIFEST NO. 346715
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-274011	ALLOY 6061	SALESMAN FORBES DODWELL	MADE IN CANADA	
SO DESCRIPTION 1.5"x2.5" FB	CUSTOMER PART NUMBER 4660-S	PART DESCRIPTION 1.5"x2.5" FB	CERTIFICATION ASTM B221-14 - AMS QQA 200/8		

## Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Apr/06/2016	45.60	42.40	13.70	87.0, 87.1, 87.1	

## Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sb	Sn	Se	Co	Al	Other
3B2167	A.11	6061	0.58	0.16	0.21	0.02	0.86	0.08	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0

DAS  
14  
9-89

16/06/28

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

# THYSSENKRUPP MATERIALS NA

**PART AEROSPACE**  
ALUMINUM SQUARE BAR 6061-T6511  
3.50" X 8.0000"  
PART NO. \*SQ BAR

PO/Rel 32783

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-997557-007

23Jun16  
Pg 1/1

## Certificate of Mill Test Results



**Nanshan America**  
Advanced Aluminum Technologies  
3600 US Hwy 52 South  
LaFayette, Indiana 47909  
Main Office: (765) 269-4360

### CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

BILL TO	10038 - B01-ThyssenKrupp Materials NA, Toro	INVOICE NUMBER	15121
SHIP TO	10038 - B01-ThyssenKrupp Materials NA, Toro	CUSTOMER PO	PEC-272685
CUSTOMER PART NUMBER		MAINSAN PART NUMBER	40-00719

DIE NUMBER	1429	DATE OF SHIPMENT	3/11/2016
ALLOY	6061	TEMPER	T6511
SALESMAN	Scott Ranch		
DESCRIPTION	Square Bar 3.500" Stencilled		

OUR ORDER NUMBER	107346	ITEM	7
------------------	--------	------	---

Applicable Requirements:  
ASTM B221-14 AMS-QQ-A-200/8 Rev  
A (2012 09) ASME SB221-1998 Sect II

#### Mechanical Properties

Lot  
107346 7 1A-1

Alloy	Test No.	Test Date
6061	1603062	03/05/16

Ultimate Tensile Strength (KSI)  
51.3

Yield Strength (KSI)  
47.9

Percent Elongation  
16%

Hardness

Conductivity

#### Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cl	Ni	Zn	Al	Ga	V	B	Zr	Ba	Pb	Sn	Sr	Co	Each	Total
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
Maximum	0.80	0.70	0.40	0.15	1.20	0.36	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

#### Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cl	Ni	Zn	Al	Ga	V	B	Zr	Ba	Pb	Sn	Sr	Co	Each	Total
1603121	6061	0.70	0.26	0.34	0.07	0.90	0.09	0.01	0.02	0.02	0.01	0.01	0.00								97.56

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bel of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

Greg Talbert  
Quality Manager

# THYSSENKRUPP MATERIALS NA

ALUMINUM ROUND BAR 6061-T6511  
758" DIA X 144,0000"  
PART NO.

P.O./Rel 32783

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

23Jun16  
Pg 1,2

Certificate of Mill Test Results  
BL-PEC-997557-008

**sapa:**

Sapa Industrial Extrusions  
53 POTTSVILLE STREET  
CRESSONA, PA  
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD  
ATTN: ACCOUNT PAYABLE

CONCORD, ON - L4K 5C6

Ship To Customer

THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD

CONCORD, ON - L4K 5C6

## Certified Inspection Report

Sales Order Number 1101033551	Lead No. 1	Customer P.O. PEC-273460-001	Cert Number SAPA238765	Page 1 of 2
			Cert Creation Date 24-FEB-16	Cert Print Date 24-FEB-16

Quantity Shipped	Date Shipped	Item Description	Specification
1548	1 FEB 16	1.8	ASTM B221 REV 14 AWS Q1 A 2008 REV A ASME B7221 REV 98 UNSA496061 REV SAK154 REV Mens 6061-T6511H, 6061-T6511 REV
715323		Item No.	
Delivery Id		Item No. Rev	
4737001			
Customer Part No.			
75FR1			

Applicable Specifications, Revisions and Exemptions

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Signature And Title

*Mill D. Hammer*

Mike Hammer

Cressona Plant Manager

24-FEB-16

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UNIT	Weight
G12-PRG263841	22402288	83	PCS	Gross 521 Net 516
G12-PRG263844	22402288	83	PCS	Gross 521 Net 516
G12-PRG263848	22402288	83	PCS	Gross 521 Net 515

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80		0.70	0.15	0.40		0.15	0.80	1.20	0.04	0.35		0.25

DAS  
14 16/06/28  
0.89

## PO/ReI 32783

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by

5

# Certificate of Mill Test Results

BL PEC-997557-008

23jun16  
Pg 2/2Sapa Industrial Fabrications  
53 HOTTISVILLE STREET

CRESSONA, PA  
17929-0187

# Certified Inspection Report

Print Number	Page
SAPAL2386065	Page 2 of 2
Cert Creation Date	Cert Print Date
24-FEB-16	24-FEB-16

Alloy	Ti		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max
6061	...	0.15	...	0.05	...	0.15

1606/28

### Composition Results

Heel / Cast	Si	Fe	Ca	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
5029303	0.73	0.34	0.33	0.06	0.90	0.06	0.04	0.02	..	..

## Mechanical Property - Test Limits

	Test Type	UTS - L	UTS - H	FTL 401 Long
	IRIM	KSI	KSI	FTT
	# of Test	..	..	..
Test Temp	F of Test	MIN Value	MAX Value	MIN Value
Test Number	12	44.7	47.5	40.9
Test Date				44.4
Test Time				15.0
Test Location				16.6

### Chem Notes

\* Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method

5. Small tubes always produced at Sapa Industri (th) Katrathkoms comply with Directive 2011/65/EU (RoHS 2) with the exception of 6262 alloy

In accordance with EN 10304 Inspection Certificate Type 3.1

“Qualifying Instruments” (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 23.072-1)

**Manufactured in the United States**

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
1.750" DIA X 144.0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-002

23Jun16

Signed by:

Pg 1/2

**Acciaierie  
Valbruna S.p.A.**



**CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1**

35100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telephone number : 0039 (0) 444968211

Ciente / destinatario / Customer / Client  
VALBRUNA CANADA LTD  
8/24 HOLTGATE CRESCENT  
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Hersteller producer

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI15010118  
Lieferungsgepäck Nr. 118

Ordine nr: 501005111 Stock - Canada  
Bestell-/Auftrag/Commande

Certificato nr: MEST672095/2015/  
Prüfung-/Test/Essai

Conferma ordine nr: E115000464  
Werk-/Auftrag/Ret

Marchio di Fabbrica:  
Zeichen des Lieferanten  
Trade mark  
Sigle de l'usine productrice

Punzone del Collaudatore:  
Stempel des Verfassungsprüfers  
Inspector's stamp/Prüfer des Fabrikanten



Stato di fornitura: Hot rolled - Annealed Cold Drawn  
Lieferzustand/Delivery state/for the purpose

Tipo di Elaborazione: E+AOD  
Früherstellung/Herstellung process/Mode of fabrication

Specifiche:  
Anforderungen / Requirements / Exigences

VSI 0 303 HS A,CF  
AMS 5640 U TYPE1 A  
ASTM A320 2011A B8F (1)  
MIL-S-862 B/1 303

AISI 303  
ASME SA320 2013 B8F (0)  
ASTM A370 2014  
QQ-S-764 B/2 303 A

AMS 5640 U S30300 A  
ASTM A314 2008 S30300  
ASTM A582 2012 S30300 A

(0) SECTION II PT. A 2013 EDITION  
(1) Chemical analysis only.

(0) Chemical analysis only.

Qualità: 303HS  
Werkstoff/Qualitätsstufe

Marca: MV188ZHS  
Markenname/Trade Name

Tolleranza: ASTM A484-14a TABLE 7  
Toleranz/Allowance tolerance

Punzonatura: 303HS  
Kennzeichnung/Marking/Marking

Pos. nr. Pos. n. Nr. de poste	Oggetto Object description Beschreibung des produit	Dimensioni - in Abmessungen Dimensions	Lunghezza - in Länge Length Longueur	Colata Schmelze Melt Poussée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lose Lot nr Lot n°
0040	Round	0,7500	146 / 147	427459		4.531	434406400

### TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf Lieferbedingung Produkt test à l'état de livraison Prueba sobre el material así como entregado

TEST	Provetta/prova Specimen/échantillon Laprobe/échantillon Billet/échantillon Long. mm mm	° F	Pos. Saggio Position Position	Snervamento Stress Tensile strength Rp 0.2% R <sub>p</sub> 0.2% k.s.i.	Snervamento Yield strength Tensile strength Rp 0.2% R <sub>p</sub> 0.2% k.s.i.	Resistenza Tensile strength Tensile strength Rm k.s.i.	Allungamento Elongation Elongation E 4d %	Sinzione Elongation Elongation RA %	Resilienza Resilience Resilience Impact Value Resilience	Durezza Hardness Hardness HB
	Valori richiesti Required values Valeurs demandées	min max								
A	12,5	68	L	76		103	35	53		140 255 240

TEST	min	max
A Grain size for ASTM E112		5

Mechanical properties according to ASTM A370.

1) Longitudinale, 2) Trasversale, 3) Tangenziale

### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata Schmelze/Cast	min 0,030 max 0,050	0,20 1,00	1,50 2,00	17,00 19,00	0,50 1,00	1,00 10,00	0,100 0,32	0,4000							
C %	SI %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %					
427459	0,048	0,43	1,87	17,43	0,47	0,53	8,01	0,090	0,029	0,32	0,0041				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Micro and macro etch test: OK

Reduction ratio = 80,5 : 1

Annealing temperature: 1940°F for 1 h/water.

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été fourni conforme aux exigences

Controllo antimiscelazione: OK  
Verunreinigungsprüfung: spezialanalytisch durchgeführt  
Antimixing testing performed OK  
Contrôle anti-mélange fait r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze  
Besiichtigung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional checks satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

Vicenza, 09/04/15  
V00000  
Mod. MCE2

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine  
M. Rizzotto

Pagina - 1 di 2

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
1.750" DIA X 144.0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-002

23Jun16

Signed by: 

Pg 2/2

### Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telephon number : 0039 (0) 444988211

Cliente / Customer/Purchaser/Clerk  
VALBRUNA CANADA LTD  
8724 HOLGATE CRESCENT  
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Hersteller/Usine producer

Stato di fornitura: Hot rolled - Annealed Cold Drawn  
Lieferzustand/Delivery state/Etat de livraison

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI15010118  
Lieferanweisung/Packing list/L

Ordine nr: 501005111 Stock - Canada  
Bestell-/Auftragsnummer

Tipo di Elaborazione: E+AOD  
Erstellungszugabe/Melting process/Mode of elaboration

Certificato nr: MEST672095/2015/  
Prüfung/Test/Fessl

Conferma ordine nr: E115000464  
Werkstätt Code/Ref nr

Marchio di Fabbrica:  
Zeichen des Markenwerks  
Trade mark  
Sigla di l'usine producer

Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'inspecteur



The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 09/04/15  
VCE008  
Mod. MCEZ

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine  
M. Rizzotto 

Pagina - 2 di 2



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
2.50" x 3.50" X 144.0000"  
PART NO.

PO/Rel 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-006

23Jun16

Signed by: *[Signature]*

Pg 1/1

**KAISER**  
**ALUMINUM**  
FABRICATED PRODUCTS

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER PEC-275684-4		CUSTOMER PART NUMBER M27/STK		PRODUCT DESCRIPTION KAISERSELECT SC MANIFOLD BAR 2.50 X 3.50	
KAISER ORDER NUMBER 6010278	LINE ITEM 004	SHIP DATE 06/03/2016	KAISER LOT NUMBER Z00109090	ALLOY 6061	TEMPER T6511B
WEIGHT SHIPPED 996.000 LB	QUANTITY 8.000 PCS	B/L NUMBER 615856	DIAM/DAE/THKNS 2.50/3.50/0.00	WIDTH 2.50	LENGTH 12.000 FT
SHIP TO THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA DAS 14 16/06/28 0-89		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00109090	0001	0001	48.4	45.6	11.7	RE 93	N/A	N/A
Z00109090	0002	0001	53.1	48.7	15.5	RE 94	N/A	N/A
Z00109090	0002	0002	54.2	50.2	16.1	RE 93	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105625	.77	.28	.29	.09	.96	.09	.04	.02	.00	.00	.00	.01	.04

### Applicable Requirements:

MANIFOLD BAR, SPECIAL STENCIL PER ASTM-B221-14, STENCILED AMS-QQ-A-200/8A ASME-SB221  
2009 SECT. II MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM  
MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION  
= 10.0% MIN

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00235294

Kaiser Order Number: 6010278

Line Item: 004

# THYSSENKRUPP MATERIALS NA

DAKT AEROSPACE

ALUMINUM ROUND BAR 6061-T6511  
3.50" DIA X 144.0000"  
PART NO.

PO/Ref 32783

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-997557-009

23Jun16

Signed by: *M*

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER <b>PEC-274719-2</b>		CUSTOMER PART NUMBER <b>R53/STK</b>		PRODUCT DESCRIPTION <b>KAISERSELECT PRECISION ROD 3.500 +/- 0.12</b>	
KAISER ORDER NUMBER: <b>6007364</b>	LINE ITEM: <b>002</b>	SHIP DATE: <b>04/19/2016</b>	KAISER LOT NUMBER: <b>Z00158254</b>	ALLOY: <b>6061</b>	TEMPER: <b>T6511B</b>
WEIGHT SHIPPED: <b>2444 000 LB</b>	QUANTITY: <b>18.000 PCS</b>	B/L NUMBER: <b>615431</b>	DIAM/DIA THKNS: <b>3.500</b>	WIDTH: <b>1.000</b>	LENGTH: <b>12.000 FT</b>
SHIP TO  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA <i>14 16/06/28</i> <i>9-89</i>		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00158254	0001	0001	53.9	50.7	15.6	RE 94	N/A	N/A
Z00158254	0001	0002	51.8	48.4	17.4	RE 94	N/A	N/A
Z00158254	0002	0001	53.9	50.7	15.5	RE 93	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.30
106114	.73	.28	.28	.11	.91	.09	.07	.02	.00	.00	.00	.01	.04

### Applicable Requirements:

PER ASTM-B221-14, STENCILED ASME-SB221 2009 SECT II PER AMS-QQ-A-200/8A UNS# A96061  
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL  
PROPERTIES AS FOLLOWS: UTS - 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00227934

Kaiser Order Number: 6007364

Line Item: 002

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 4303 R.750  
DATE 16/06/28

PO / BATCH NO 32783/135094

MATERIAL CERT REQ'D yes  
QUANTITY RECEIVED 84'  
QUANTITY INSPECTED 84'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED R.750  
THICKNESS RECEIVED R.748  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW			
	HRC	HRB	DUR A
TYPE OF MATERIAL			
SIZE OF TEST SAMPLE			
HARDNESS DUROMETER READING			

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY _____	DAS 14 9-89	SIGNED OFF BY _____	
DATE <u>16/06/28</u>		DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 11303 R.500  
DATE 16/06/28

PO BATCH NO 32783/135094

MATERIAL CERT REQD yes  
QUANTITY RECEIVED 49.3'  
QUANTITY INSPECTED 49.3'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED R.500  
THICKNESS RECEIVED R.500  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*Testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY _____	DATE <u>16/06/28</u>	SIGNED OFF BY _____	DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 11601176B.750X1.50  
DATE 11/06/28

PO / BATCH NO 32783/135014

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED .750X1.500  
THICKNESS RECEIVED .750 X1.500  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY \_\_\_\_\_

DAS  
14  
9-09

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6 B. 750X.125  
 DATE 16/06/28

PO / BATCH NO 32783/135094

MATERIAL CERT REC'D yes  
 QUANTITY RECEIVED 20'  
 QUANTITY INSPECTED 20'  
 QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 750 X .125  
 THICKNESS RECEIVED 745 X .122  
 SHEET SIZE ORDERED \_\_\_\_\_  
 SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT Mfg ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DURETOMETER READING				

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY \_\_\_\_\_

DATE

DAS

14

9-89

SIGNED OFF BY \_\_\_\_\_

DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML6061T6B1.500X2.500  
DATE 16/06/28

PO / BATCH NO 32783/135094

MATERIAL CERT REQD yes  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 1.500X2.500  
THICKNESS RECEIVED 1.500X2.500  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	
CORRECT MK ON THE MATERIAL	Y <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PCE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY \_\_\_\_\_

DATE 16/06/28

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061 T6 B 2.50 X 3.50  
DATE 16/06/28

PO / BATCH NO 32783/135044

MATERIAL CERTIFIED yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 2.50 X 3.50  
THICKNESS RECEIVED 2.50 X 3.50  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

*Testers located in the Quality Office*

**ENGINEERING SIGNOFF (if required)**

**QC 18 INSPECTION**

INSPECTED BY \_\_\_\_\_

DATE 16/06/28

DAS

74

9:00

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32783/135094

MATERIAL M60del T6 R.750  
DATE 16/06/28

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED R.750  
THICKNESS RECEIVED R.748  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY DAS  
DATE 16/06/28

SIGNED OFF BY \_\_\_\_\_  
DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 16/06/28 R3.500  
DATE 16/06/28

PO / BATCH NO 32783/135094

MATERIAL CERT REQD yes  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED R3.500  
THICKNESS RECEIVED R3.500  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY \_\_\_\_\_

DATE

16/06/28

SIGNED OFF BY \_\_\_\_\_

DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL AL6061T6 3.500X3.500X8.00  
 DATE 11/6/28

PO / BATCH NO 32783/135094

MATERIAL CERTIFIED yes  
 QUANTITY RECEIVED 10'  
 QUANTITY INSPECTED 10'  
 QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 3.500X3.500X8.00  
 THICKNESS RECEIVED 3.500X3.500X8.125  
 SHEET SIZE ORDERED \_\_\_\_\_  
 SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PROTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY \_\_\_\_\_

DATE \_\_\_\_\_

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO32783

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 1 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

JUN 21 2016

E-MAILED

135094

Contact Name  
Vendor Phone 905 669 9444

Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500	303 Round Bar 0.500"	6/27/2016 Yes 6/27/2016		48.00 f	\$1.81	\$86.84
MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A382 NOTE: AISI 304/316 NOT ACCEPTABLE							
Line Total:							\$86.84
2	M303R0.750	303 Round Bar 0.750"	6/27/2016 Yes 6/27/2016		84.00 f	\$2.76	\$232.24
MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							
Line Total:							\$232.24

PO Instructions: no: PEC ST-940447, PEC ST-940895

Note:

6/21/2016





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO32783**

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 2 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	6/27/2016	12.00	\$3.00	\$36.00
		Yes	6/27/2016	f		

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$36.00

4	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	6/27/2016	12.00	\$3.75	\$45.00
		Yes	6/27/2016	f		

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$45.00

5	M6061T6B1.500X02.500	6061-T6 Bar 1.50 x 2.50	6/27/2016	12.00	\$9.94	\$119.25
		Yes	6/27/2016	f		

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Sp 16-6-27

PO Instructions: no: PEC ST-940447, PEC ST-940895

Note:

6/21/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO32783**

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 3 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Total: \$119.25

6 M6061T6B2.500X03.500 6061-T6 Bar 2.50 x 3.50 6/27/2016  
Yes  
6/27/2016

12.00 f \$23.06 \$276.75

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$276.75

7 M6061T6B3.500X8.000 6061-T6 Aluminum Bar 3.500" X 8.000" (cut to  
4.75" +.030"/-.000 From  
bar only not plate) 6/27/2016 FN  
Yes  
6/27/2016

12.00 f 10 F \$36.00 \$432.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221  
NOTE: 15 PCS CUT AT 8" LONG

mat'l 6061T6 3.5" x 3.5" x 8"

Line Total: \$432.00

PO Instructions: no: PEC ST-940447, PEC ST-940895

Note:

6/21/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO32783**

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 4 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

8	M6061T6R0.750	6061-T6 Round Bar .750"	6/27/2016	12.00	\$3.79	\$45.42
			Yes	f		
			6/27/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$45.42

9	M6061T6R3.500	6061 RD bar 3.50	6/27/2016	12.00	\$25.50	\$306.00
			Yes	f		
			6/27/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$306.00

10	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	6/27/2016	12.00	\$17.92	\$215.00
			Yes	f		
			6/27/2016			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

PO Instructions: no: PEC ST-940447, PEC ST-940895

Note:

6/21/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO32783**

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 5 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Total: \$215.00

11	M7075T6B0.375X6.000	7075-T6 Plate 0.375" X 6.000", QQ-A 250/12	6/30/2016	FN	12.00	\$22.25	\$267.00
			Yes		f		
			6/30/2016				

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$267.00

12	71401-45	PROCUREMENT QUALITY CLAUSES	6/27/2016		1.00	\$0.00	\$0.00
			No				
			6/27/2016				

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

PO Instructions: no: PEC ST-940447, PEC ST-940895

Note:

6/21/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO32783**

Purchase Order Date 6/21/2016

PO Print Date 6/21/2016

Page Number 6 of 6

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$0.00

**PO Total:** \$2,061.50

**PO Instructions:** no: PEC ST-940447, PEC ST-940895

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 6/21/2016

CLH